

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>Applicants:</b>	Kevin Jeffrey Barnham et al.	<b>Examiner:</b>	D. Margaret M. Seaman
<b>Serial No.:</b>	10/521,902	<b>Filed:</b>	August 10, 2005
<b>Patent No.:</b>	7,619,091	<b>Granted:</b>	November 17, 2009
<b>For:</b>	8-HYDROXY QUINOLINE DERIVATIVES	<b>Docket:</b>	18583
<b>Confirmation No.:</b>	7111	<b>Dated:</b>	December 13, 2010

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF CORRECTION REQUEST UNDER 37 C.F.R. §1.322**

Sir :

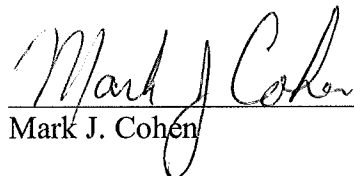
Patentees request that that claim 1 should be corrected per the attached claim amendment and request a Certificate of Correction to issue. The error in the claim 1 arose from the transmission of claim 1 that was presented as an Examiner's Amendment in the Notice of Allowability dated August 26, 2009, which inadvertently omitted the definitions of R<sup>13</sup> and R<sup>14</sup>. The definition of R<sup>13</sup> and R<sup>14</sup> was recited in original claim 1, lines 20-22 and is described on page 6, lines 1-5 of the instant specification.

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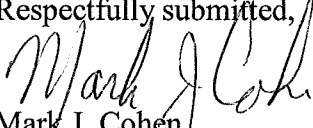
**CERTIFICATION OF ELECTRONIC FILING**

I hereby certify that this correspondence is being deposited with the United States Patent and Trademark Office via Electronic Filing through the United States Patent and Trademark Office e-business website, on December 13, 2010.

Dated: December 13, 2010

  
Mark J. Cohen

The issuance of a Certificate of Correction is respectfully requested.

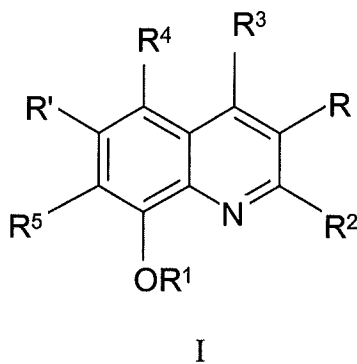
Respectfully submitted,  
  
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MJC:ae  
Enclosed: claim 1 amended

Claim 1:

1. A compound of the formula



or pharmaceutically acceptable salts, thereof in which

R<sup>1</sup> is H;

R<sup>2</sup> is; optionally substituted phenyl; optionally substituted naphthyl; optionally substituted tetrahydronaphthyl; optionally substituted biphenyl; optionally substituted heterocyclyl; COR<sup>6</sup>; CSR<sup>6</sup>; CN; (CH<sub>2</sub>)NR<sup>9</sup>R<sup>10</sup>; HCNOR<sup>9</sup>; HCNNR<sup>9</sup>R<sup>10</sup>; OR<sup>11</sup>; SR<sup>11</sup>; NR<sup>11</sup>R<sup>12</sup> or SO<sub>2</sub>NR<sup>13</sup>R<sup>14</sup>; in which R<sup>13</sup> and R<sup>14</sup> are either the same or different and selected from H, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted aryl or optionally substituted heterocyclyl; and

R<sup>6</sup> is H, C<sub>1-6</sub> alkyl, optionally substituted C<sub>2-6</sub> alkenyl, hydroxy, optionally substituted aryl, optionally substituted heterocyclyl, SR<sup>7</sup> or NR<sup>7</sup>R<sup>8</sup>;

R<sup>7</sup> and R<sup>8</sup> are either the same or different and selected from H, optionally substituted C<sub>1-6</sub> alkyl, optionally substituted C<sub>2-6</sub> alkenyl, optionally substituted aryl and optionally substituted heterocyclyl;

$R^9$  is H, optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

$R^{10}$  is hydrogen, methyl, propyl, isopropyl, butyl, isobutyl, sec-butyl, tert-butyl, pentyl, neopentyl, hexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

$R^{11}$  is H, optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with  $R^{12}$  form optionally substituted heterocyclyl;

$R^{12}$  is optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with  $R^{11}$  form optionally substituted heterocyclyl;

$R^3$ , R and  $R'$  are either the same or different and selected from H, optionally substituted  $C_{1-6}$  alkyl, optionally substituted  $C_{2-6}$  alkenyl, optionally substituted  $C_{1-6}$  alkoxy, optionally substituted acyl, hydroxy, optionally substituted amino, optionally substituted thio, optionally substituted sulphonyl, optionally substituted sulphinyl, optionally substituted sulphonylamino, halo,  $SO_3H$ , amine, CN,  $CF_3$ , optionally substituted aryl and optionally substituted heterocyclyl; and

$R^4$  and  $R^5$  are chloro,

wherein the optional substituent is  $C_{1-6}$  alkyl,  $CF_3$ , fluorine, chlorine, iodine, cyano,  $C_{1-6}$  alkoxy, 5 or 6-membered aryl, heteroaryl, amino or  $C_{1-6}$  alkylamino.

# UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO. : 7,619,091

APPLICATION NO.: 10/521,902

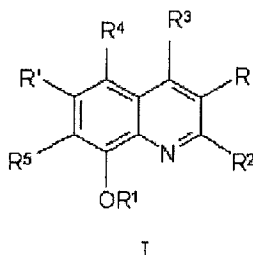
ISSUE DATE : November 17, 2009

INVENTOR(S) : Kevin Jeffrey Barnham et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1 should be corrected as follows:

1. A compound of the formula



or pharmaceutically acceptable salts, thereof in which

R1 is H;

R2 is; optionally substituted phenyl; optionally substituted naphthyl; optionally substituted tetrahydronaphthyl; optionally substituted biphenyl; optionally substituted heterocyclyl; COR6; CSR6; CN; (CH2)NR9R10; HCNOR9; HCNNR9R10; OR11; SR11; NR11R12 or SO2NR13R14; in which R13 and R14 are either the same or different and selected from H, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted aryl or optionally substituted heterocyclyl; and

R6 is H, C1-6 alkyl, optionally substituted C2-6 alkenyl, hydroxy, optionally substituted aryl, optionally substituted heterocyclyl, SR7 or NR7R8;

R7 and R8 are either the same or different and selected from H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl and optionally substituted heterocyclyl;

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Page 2 of 2

PATENT NO. : 7,619,091  
APPLICATION NO.: 10/521,902  
ISSUE DATE : November 17, 2009  
INVENTOR(S) : Ken Jeffrey Barnham et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 1 continued

R9 is H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

R10 is hydrogen, methyl, propyl, isopropyl, butyl, isobutyl, sec-butyl, tert-butyl, pentyl, neopentyl, hexyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl,

optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocyclyl;

R11 is H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with R12 form optionally substituted heterocyclyl;

R12 is optionally substituted C 1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted aryl or optionally substituted heterocyclyl or together with R11 form optionally substituted heterocyclyl;

R3, R and R' are either the same or different and selected from H, optionally substituted C1-6 alkyl, optionally substituted C2-6 alkenyl, optionally substituted C1-6 alkoxy, optionally substituted acyl, hydroxy, optionally substituted amino, optionally substituted thio, optionally substituted sulphonyl, optionally substituted sulphinyl, optionally substituted sulphonylamino, halo, SO<sub>3</sub>H, amine, CN, CF<sub>3</sub>, optionally substituted aryl and optionally substituted heterocyclyl; and

R4 and R5 are chloro,

wherein the optional substituent is C1-6 alkyl, CF<sub>3</sub>, fluorine, chlorine, iodine, cyano, C1-6 alkoxy, 5 or 6-membered aryl, heteroaryl, amino or C1-6 alkylamino.

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